

Magenta HDMI 2.0 Fiber Extension Kit

MG-FB-61x

4K60 4:4:4 zero latency extension to 984ft



OVERVIEW

The Magenta fiber optic transmitter and receiver kit (MG-FB-61x) is a powerful solution for extending 4Kx2k 60Hz HDMI 2.0 signals over very long distances. The MG-FB-61x supports resolutions up to 4K60 4:4:4 with no compression and zero latency at distances up to 984ft (300m) using either single mode or multi-mode LC fiber. Support is also available for HDCP 2.2, HDR, bidirectional RS-232 and IR in addition to Audio Return Channel, CEC, and EDID pass through, making any installation simple. The Magenta fiber optic extender kit is completely secure and has industry leading RF and EMC immunity to ensure the highest levels of performance and signal integrity, while additionally providing the benefit of future proofing your installations.

Ordering information

MG-FB-61x	HDMI 2.0 Fiber Extender kit, supports up to 300m
PS-12-10-LK	Replacement PSU for the MG-FB-61x 12v 1A

KEY FEATURES

- ◆ Industry leading 5-year warranty
- ◆ Extends 4K60 up to 984ft (300m)
- ◆ HDMI 2.0
- ◆ Supports 4K60 HDR and Dolby Vision
- ◆ HDCP 2.2 compliant
- ◆ EDID support
- ◆ HDR support
- ◆ Bi-directional IR and RS-232 pass-through
- ◆ Audio Return Channel (ARC) using Toslink
- ◆ Mounting ears included
- ◆ Locking power supply connectors

SPECIFICATIONS

Transmitter	
Input	(1) HDMI IN
Input Connector	(1) Type-A female HDMI
Output	(2) OPTICAL OUT; (1) AUDIO OUT
Output Connector	(2) LC connector; (1) Toslink connector
Control	(1) IR IN; (1) IR OUT; (1) RS232
Control Connector	(2) 3.5mm mini jacks; (1) 3-pin terminal block
Receiver	
Input	(2) OPTICAL IN; (1) AUDIO IN
Input Connector	(2) LC connector; (1) Toslink connector
Output	(1) HDMI OUT
Output Connector	(1) Type-A female HDMI
Control	(1) IR IN; (1) IR OUT; (1) RS232
Control Connector	(2) 3.5mm mini jacks; (1) 3-pin terminal block
General	
Video Resolution	Up to 4Kx2K 60Hz 4:4:4 HDR
Bandwidth	18Gbps

Color depth	16bpc (48bit/px)
Audio Format	PCM, Dolby Digital, DTS, DTS-HD
HDMI Standard	2.0
HDCP Version	2.2
CEC	Supported
EDID Pass-through	Supported
HPD	Supported
Transmission Distance	up to 984ft (300m) via single-mode or OM3/OM4 multi-mode fiber cables.
Operation Temperature	-10°C ~ +55°C
Storage Temperature	-25°C +70°C
Relative Humidity	10%-90%
Power Supply	Input: AC 100~240V, 50/60Hz; Output: 12V DC 1A
Replacement PSU	PS-12-10-LK
Power Consumption	9W (max)
Warranty	5y
Dimension (W*H*D)	130mm x 20mm x 84mm
Net Weight	175g